

In the Title:

Please replace the title with the following title:

--A METHOD FOR EMPLOYING AN EXTENDIBLE STENT APPARATUS--

In the claims:

?? ? ? ? ?
Please cancel claims 1-22, 30, 31, 39, and 41-44 without prejudice or

disclaimer.

Please add new claims 45-55 as follows:

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~~23 45.~~ (New) A method of deploying a stent apparatus in a bifurcated vessel, the bifurcated vessel comprises a main vessel having an ostium leading into a branch vessel, the method comprising:

introducing a first guidewire into the main vessel;

applying to said first guidewire a first catheter including a main stent, said main stent having a proximal end, a distal end, and a side opening between said ends;

advancing said first catheter along said first guidewire to a location in said main vessel wherein said proximal end and said distal end of said main stent span the ostium, and wherein said side opening is substantially aligned with the ostium;

partially expanding said main stent, so as to at least partially deploy said main stent in its approximate position;

inserting a second guidewire and a second catheter through said side opening of said main stent into the branch vessel, for precisely locating said main stent with respect to the ostium;

expanding said main stent in its position;

removing said first and second catheters;

a) advancing via said second guidewire into the branch vessel a third catheter, having a flareable stent in a state of compression, wherein said flareable stent comprises a proximal end and a distal end, and wherein said proximal end comprises a flareable portion initially in an unflared configuration;

positioning said third catheter within the branch vessel so that said proximal end of said flareable stent extends into the main vessel;

allowing said flareable portion in said unflared configuration to be flared approximately radially to a longitudinal axis of said flareable stent, so as to precisely position said flareable stent with respect to the ostium and to the branch vessel; and

expanding said flareable stent in the branch vessel to deploy said flareable stent in its position within the branch vessel.

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(New) The method of Claim 45, wherein allowing said flareable portion to be flared is accomplished by removal of an outer sheath.

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(New) The method of Claim 45 wherein said second guidewire is introduced after said main stent has been expanded within the main vessel.

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(New) The method of Claim 45, wherein said second guidewire is introduced simultaneously with said first catheter and said main stent.

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(New) The method of Claim 45, wherein expanding of said main stent and said flareable stent are performed by balloon catheterization.

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(New) The method of Claim 45, wherein advancing said first catheter is done using radiopaque markers.

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(New) The method of Claim 45, wherein positioning said third catheter is done using radiopaque markers.

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(New) A method for deploying a flareable stent, the method comprising:

providing a flareable stent which comprises a first end and a second end,
said second end comprises a flareable portion;
positioning said flareable stent in an edge of a vessel;
allowing said flareable portion to flare; and
expanding said flareable stent.

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53. (New) The method of claim 52, wherein said flareable portion is covered with a removable sheath for keeping said flareable portion in an unflared state, whereby allowing said flareable portion to flare is by removing said removable sheath so as to allow said flareable portion to flare.

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54. (New) The method of Claim 52, wherein positioning said flareable stent is done using radiopaque markers.

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55. (New) The method of Claim 52, wherein expanding of said flareable stent is performed by balloon catheterization.

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56. (New) A method for deploying a flareable stent, the method comprising:

providing a flareable stent which comprises a first end and a second end,
said second end comprises a flareable portion;